

From owner-qrp-1@netcom.com Tue Dec 6 12:55:03 1994
Date: Tue, 06 Dec 1994 11:18:37 EST
From: RTRC25A@prodigy.com (MR PRESTON J DOUGLAS)
Message-Id: <013.02122959.RTRC25A@prodigy.com>
Subject: 100 dollar rigs

-- [From: Preston Douglas * EMC.Ver #2.10P] --

thanks to all for the advice on Radiokit and others. I have certainly modified my thinking on which kits to order, and I am still researching. I have ordered the construction manual on the NW80/20 for 80 meters from Dan's and will decide after seeing it whether to buy and build one for 80. I have ordered his NN1G for 40 because I liked the idea that his package includes the RIT board, and I certainly like the capacitor control for the VFO rather than a varicap as in the original QST version.

The problem with the Oak Hills kits may just be that they are too good! I am given to understand that they include step-by-step construction plans, thus eliminating them from the homebrew bonus category in contests. That would mean a lot of points, if I ever get back into contesting--and I plan to. If I'm wrong on this, somebody tell me please, as I would otherwise want to go for an Oak Hills on 20m. Thanks again guys. WJ2V

From owner-qrp-1@netcom.com Tue Dec 6 20:29:46 1994
Date: Tue, 6 Dec 1994 15:23:18 -0330 (NST)
From: Robert Gobrick <bgobrick@random.ucs.mun.ca>
Subject: Re: 100 dollar rigs
Message-Id: <Pine.3.87.9412061518.C2325-01000000@random.ucs.mun.ca>

Preston - Except for the Explorer, which I have not seen the instructions on yet, all the OHR kits tht I have built (Sprint, Classic, Wattmeter, CW Filter etc) meet the "homebrew" category. Even though there are nice layout drawings and pc boards with component layout overlays it still instructions something like this - "Find bag of resistors. Install bag of resistors. Find bag of caps. Install... you get the idea. It gets close on some terminal strip wiring to heathkit bu saying things like solder all wires to terminal etc - but the pictorial already shows that. So just for your info this past weekend I used my OHR Sprint in the ARCI Holiday Spirits Homebrew SPRINT and since my rig was called the SPRINT I entered it as a homebrew unit. Well it really is in the HB class.

Now I haven't seen the Explorere manual yet and I wonder if Dick is going all the way ala Heathkit style on this one... Chuck thinks so but does it really tell you to install R-122 in the R-122 layout spot???

Good luck and by the way, out of all the rigs your mentioned I really

believe that the OHR Spirit and Classic series have the best receivers (diode ring mixer superhets with rf amplifier) and for contesting the order of equipment is stacked monobander killer yagis, hot receiver and yea.. QRP or QRPp power. A winning combination.... ;-)

72 Bob V01DRB/WA6ERB

From owner-qrp-1@netcom.com Tue Dec 6 20:18:31 1994
Date: Tue, 6 Dec 1994 18:56:00 +0000
From: william.redfearn.cmwd01@nt.com
Message-Id: <"7107 Tue Dec 6 12:58:09 1994"@nt.com>
Subject: 2SC1947 replacements?

Looking for a 2SC1947 or replacement for the Mizuho MX-7S.
Looks like I blew the final.
Thanks - Dave.

=====

Dave Redfearn, SR PC LAN Analyst Northern Telecom RTP, NC.
ph.(919) 992-3925 email: cmwd01@nt.com qrl? de N4ELM/qrp

All opinions are my own and do not necessarily reflect the views of my employer, co-workers or any other person, real or imaginary.

From owner-qrp-1@netcom.com Tue Dec 6 21:05:40 1994
Date: Tue, 6 Dec 1994 19:00:00 +0000
From: william.redfearn.cmwd01@nt.com
Message-Id: <"8161 Tue Dec 6 13:06:58 1994"@nt.com>
Subject: 7.0 - 7.025 crystal for MX-7S?

Looking for 7.00 - 7.025 VX0 crystal for the Mizuho MX-7.
I've already tried Ramsey and they have radios but no parts.
So I thought I'd see if anyone has any of these before I send in a crystal order and two or three weeks.
Thanks - Dave.

=====

Dave Redfearn, SR PC LAN Analyst Northern Telecom RTP, NC.
ph.(919) 992-3925 email: cmwd01@nt.com qrl? de N4ELM/qrp

All opinions are my own and do not necessarily reflect the views of my employer, co-workers or any other person, real or imaginary.

From owner-qrp-1@netcom.com Wed Dec 7 00:27:57 1994
Date: Tue, 6 Dec 1994 23:09:31 -0330 (NST)

From: Robert Gobrick <bgobrick@random.ucs.mun.ca>
Subject: ARCI Holiday Spirit Sprint Results
Message-Id: <Pine.3.87.9412062331.A12125-01000000@random.ucs.mun.ca>

Cam - Thanks to the ARCI and yourself for a nice little SPRINT. Some info from me if you need for QQ:

VE2DRB 1994 ARCI Holiday Spirits Homebrew Sprint Results

One Band, One Watt, One Conversion, and One Shot - That was the goal that I set for myself for the 1994 ARCI Holiday Spirits Homebrew Sprint. I was home this year at my Montreal QTH and I thought I would go "lite" for this Sprint - you know lose a little "luggage" before the holidays bring me down. So I brought from Newfoundland my little 40 meter (One Band) "homebrewed" Oak Hills Research Spirit (rig was named after this contest) with it's direct conversion (One Conversion) receiver. While I was at it I opened the case and cranked down the power output to a wee bit less than a watt (One Watt) to be fed to my full wave tilted horizontal loop antenna. So all I needed to start the Holiday Spirit Sprint was the "One Shot" and that came from the 40 meter propagation and not from an 807 (this is a QRP event).

40 meters started out great, but I noticed the skip was mid range, picking up from Quebec a lot of mid Atlantic states but skipping over New England - bad sign for those multipliers. I did make quite a few Q's from New Hampshire to North Carolina though. After about two hours the band went "strange" - sort of like a big sled getting in the way of my signal. The skip lengthened way out but the noise on the band went from quiet to horrendous and just about wiped out any further Q,s. Amazing what a setting sun does to the propagation in the winter. I only made two contacts in the last hour and that after calling CQ QRP until my hand went numb.

But it was fun and a nice way to start the winter holiday season. It was a pleasure to exchanged reports with a lot of familiar QRP calls (some from the Internet QRP list gang). In total: 31 contacts (21 ARCI members) and 16 sections for a grand total of 25,000 points. Merry Christmas and Happy New Year

From owner-qrp-l@netcom.com Tue Dec 6 02:51:06 1994
From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org (Mike Czuhajewski)
Subject: Barf/Milliwatt available
Date: Tue, 06 Dec 94 00:04:41 EST5EDT
Message-Id: <1994Dec06.000441.13500@wb3ffv.ampr.org>

My thanks to AB4EL for his recent comment (with copy to the qrp list) on my comments re real QRPers, since it showed a serious problem with the emoticons used in keyboard messages (you know, the smiley faces, tongue in cheeks, etc). I just realized that there is no emoticon for the expression of the term {barf!} ! I remember seeing a list of emoticons once, somewhere long forgotten, which had dozens of them but I don't think there was anything for {barf!} . Lacking any formal symbol, I have chosen to use |-() --* (and when I mentioned this to him he did not object to this symbol so it must have some merit...or perhaps it was beneath his dignity to comment...) BTW, if you want to check out the archives from the time when the QRP list was on think.com, please check out the ones Steve imported from think.com onto sunsite.unc.edu--the ones on think.com are in compressed UNIX format but when he imported them to sunsite he left them in ASCII format--simplifies things a bit and eliminates the uncompression step.

Now for the serious QRP content--there are still a "few" (old Polish word meaning "danged small amount") copies of the Milliwatt reprints available, about 4 or 5. For \$22, postpaid in US/Canada, you can have 180 sheets of paper with great QRP info on both sides (a big improvement over earlier reprints, single sided, 360 sheets!). The Milliwatt, cofounded by W0RSP and me (with him doing 99.5% of the work, especially after I wimped out after 4 issues and joined USAF) ran from 1970 to 1975 and was THE pioneering QRP journal anywhere. Those 33 bimonthly issues had lots of good technical info, tutorials, operating news and hints, QRP philosophy, hand-holding, etc; the good old days of QRP when we were discovering that incredibly low powers like 2 or 3 watts could actually work the other side of the country and other countries. Printed in the same physical format as the GQRP Clubs SPRAT, slapped open-faced on a copier to make masters (gads, did THAT take me a number of hours!), and copied from that, they turned out pretty good, and 'most everyone who got a set really enjoyed them. If you'd like a chance to read first hand accounts of QRP when QRP wasn't cool, when we were on the lunatic fringe, send your \$22 (a nonprofit operation, with proceeds to be donated to a few regional QRP groups of our own choosing) to me at 7945 Citadel Drive, Severn, MD 21144. When they are gone I'll put out a note to that effect, but you have one last chance if you act now. 73 and Queue Our Pea DE WA8MCQ

--

Mike Czuhajewski, user of the UniBoard System @ wb3ffv.ampr.org
E-Mail: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org
The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA
Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From owner-qrp-l@netcom.com Tue Dec 6 13:16:26 1994
Message-Id: <199412061420.GAA13216@mail3.netcom.com>
Date: Tue, 6 Dec 94 07:19:30 -0700

From: Mark J Schreiner <schreine@pogo.den.mmc.com>
Subject: Re: Century 21?

Hi Tim,

Ah, memories of my first rig come to life as you described your successes with your Century 21. I only used it for 1 year, while I was a Novice, from 1982-1983. I thought it put out about 50 watts. Maybe that was input power though. During that time, Novices could only use CW, none of this "No-Code" stuff they have these days. No voice on 10m, either, just CW! Sure did get me to increase my code speed as _incentive_ to upgrade to use voice. Little did I realize that by the time I had increased my code speed in order to pass the General (I didn't want a Technician Class license), I found that I had become very fond of CW. I even continued to use my straight key until after I passed my 20 WPM code test for my Extra Class license a couple of years later.

Oh, back the the original question you had...

In 1982 I paid \$200 for my Century 21. A couple of years later I traded for about that equivalent price. I would guess it is worth about that yet, plus more with the extras you have.

By the way, in about 1 year as a Novice, I worked all states except for Hawaii, and about 25 countries, all with the C-21 and attic dipoles while living at home in Michigan. Shortly after I upgraded I snuck a couple of magnet wire dipoles outside so my parents couldn't see, then I worked Hawaii & many more DX countries! Had a blast as a Novice, wish I could do it again!

73s de Mark, NK8Q/3

From owner-qrp-1@netcom.com Tue Dec 6 21:11:28 1994
Date: Tue, 6 Dec 94 15:22:22 EST
From: Clark Fishman (FSAC-FCD) <cfishman@fsac3.pica.army.mil>
Subject: Cores
Message-Id: <9412061522.aa25897@FSAC3.PICA.ARMY.MIL>

I just called Micrometals these are the guys that make the T50-6 and all the rest of the powered iron cores that Amidon sells.

I asked for a dealer in the metro New York area (I live in north Jersey) and they said they sell direct with a \$25 minimum order...

So I am going to order a pile of cores most usefull for all our radio projects and see what there price structure looks like....

Happiness is having parts on hand.....

72.22 Clark Fishman WA2UNN cfishman@pica.army.mil

From owner-qrp-l@netcom.com Tue Dec 6 23:49:33 1994
Date: Tue, 6 Dec 1994 23:14:02 -0330 (NST)
From: Robert Gobrick <bgobrick@random.ucs.mun.ca>
Subject: Fabulous QRPr once again
Message-Id: <Pine.3.87.9412062302.C12125-01000000@random.ucs.mun.ca>

QRP-L gang

Just want to thank the NorCal gang again for another great issue of QRPP
- just fantastic.

I really appreciated Wayne N6KR technical article on the Sierra. You seldom get the opportunity to have the designer walk through his design in the detail that allows you to see how he made his design decisions. Wayne details every aspect of how the Sierra was put together and I know for one that I have a much greater apprecaite of the work that went into the development of the Sierra. The last time I saw this done was an article by Zack Lau KH6CP/1 in QEX. Great job Wayne - I for one am going to read and re-read your article over and over again until some of it rubs off on me - hi.

Rich Arland K7YHA (one of the QRP-L gang) also did a nice evaluation of the NorCal 40 and the QRP club of New England 40-40, in addition to an article on using the RadioWork antennas for field day - nice job Rich.

And there's much much more - again the QRPP is "must" reading for QRpers.

72 Bob V01DRB/WA6ERB

From owner-qrp-l@netcom.com Tue Dec 6 00:46:49 1994
From: N8ET@delphi.com
Date: Mon, 05 Dec 1994 20:27:10 -0500 (EST)
Subject: FAR Circuits, Credit Cards, & fone order
Message-Id: <01HKAPQFFAU93A78X@delphi.com>

Someone inquired about FAR circuits, Credit Cards, and Telephone orders - I was too quick with the delete and wiped out the msg before I replied...

Last time I talked to Fred (about a month ago) he was not taking credit cards or orders over the fone - cash/check/MO up front.

72/73 - Bill - N8ET
Kanga US

n8et@delphi.com

From owner-qrp-l@netcom.com Tue Dec 6 16:19:26 1994
Date: Tue, 6 Dec 94 11:35:11 EST
From: jps@Kodak.COM (John Spoonhower)
Message-Id: <9412061635.AA04381@apt07.Kodak.COM>
Subject: for sale Heath swr meter

Everyone, well it's not necessarily QRP, but hey, seems like
noone can agree what QRP is anyway..... I have a Heath HM-102
power/swr meter for sale..excellent condition. I will sell
for \$45 plus shipping.
72, John, kc2du, spoon@kodak.com

From owner-qrp-l@netcom.com Wed Dec 7 00:32:55 1994
Date: Tue, 6 Dec 1994 19:34:26 -0800 (PST)
From: Monte Stark <mswmod@sage.unr.edu>
Subject: FOX (N6ULU)
Message-Id: <Pine.SUN.3.90.941206193140.10420C-1000000@nimbus>

I got my first fox.....

0307 7004 599x

Very nice sig Stan...

Look out all you leaders. I,m on a role. Have one in
a row.....

73's, Ron

.....KU7Y.....Monte "Ron" Stark.....
..mswmod@sage.unr.edu.....Sun Valley, Nevada....
.....ARRL.....NorCal #330.....NRA LIFE.....

From owner-qrp-l@netcom.com Tue Dec 6 16:14:45 1994
Subject: FOX ON TONIGHT
Date: Tue, 6 Dec 94 8:45:53 PST
From: "Stan Goldstein, N6ULU" <stan@cruzio.com>
Message-Id: <9412060845.aa17309@cruzio.cruzio.com>

Just a reminder that I will be on tonight (Tuesday) doing the fox thing.
I will be on from 0630 pm west coast time till 0700 on 7110, and

from 0700-0830 on 7040.
Hope to cu there.

--

72.5 (almost a full qrp convert)
Stan Goldstein , N6ULU

From owner-qrp-1@netcom.com Tue Dec 6 02:46:40 1994
From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org (Mike Czuhajewski)
Subject: GIF viewers
Date: Tue, 06 Dec 94 00:10:27 EST5EDT
Message-Id: <1994Dec06.001027.13500@wb3ffv.ampr.org>

I'm sorry to say I threw away the piece of paper so I can't give proper credit, but I think it was AA6-something who recommended a program via FTP from oak.oakland.edu called VUIMG. I ftp'ed that and tried it out and it's much better, at least on my computer, than GIF2EXE. I'm still not satisfied totally, so those who were planning on sending me a copy of their own favorite GIF viewers should go ahead and do it...the search for the perfect GIF viewer continues! Unfortunately I no longer had the original QRP GIF files from think.com--I deleted them when I ran GIF2EXE, which turns a .GIF file into a .EXE file. I downloaded them again today at work from think.com. but all got garbled in transmission so I can only see a quarter of the pictures before the screen turns to garbage and the computer locks up. (It's not the fault of VUIMG--I tried some GIFs from a local BBS and they come out OK, and this viewer doesn't cut off heads like GIF2EXE does--VUIMG has several options for scaling factors.) And what's the point of all this? The QRP area of the ftp area of think.com has lots of QRP pictures, of rigs and people, in GIF format--people like W7EL, KI6DS, rigs like the NE4040, ARK4, etc. Good stuff. 73 and Queue Our Pea DE WA8MCQ

--

Mike Czuhajewski, user of the UniBoard System @ wb3ffv.ampr.org
E-Mail: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org
The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA
Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From owner-qrp-1@netcom.com Tue Dec 6 11:43:21 1994
Message-Id: <ab0a15dc010210037e0c@[129.74.35.16]>
Date: Tue, 6 Dec 1994 08:23:30 -0500
From: Steve.Hideg.1@nd.edu (Steve Hideg)
Subject: Re: GIF viewers

>The QRP area of the ftp area of think.com has lots of QRP pictures, of rigs
>and people, in GIF format--people like W7EL, KI6DS, rigs like the
>NE4040, ARK4, etc. Good stuff. 73 and Queue Our Pea DE WA8MCQ

Yeah. These are my pictures. I want folks to remember that.

Is there anyone out there who has administrative privileges to ftp.think.com????

I need to edit the README file with my QRP images.

--Steve Hideg

Steve Hideg Macintosh Consultant/Analyst

Office of University Computing E-mail: Steve.Hideg.1@nd.edu
G034 Computing Center/Math Building Telephone: (219) 631-EXAM
University of Notre Dame Amateur Radio: N8HSC/9
Notre Dame, IN 46556

Return this portion with payment.

From owner-qrp-l@netcom.com Wed Dec 7 00:25:20 1994
From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org (Mike Czuhajewski)
Subject: Re: GIF viewers
Date: Tue, 06 Dec 94 20:07:38 EST5EDT
Message-Id: <1994Dec06.200738.2916@wb3ffv.ampr.org>

Hah! Finally got the good pix at home, with full faces and without pictures crapping out after the first inch of the screen. I forgot one key factor--when FTPing a non-ASCII file, such as a picture, you must do it in binary mode. Some FTP sites are automatically in binary mode when you log in, others must be toggled into binary; think.com comes up in ASCII, and must be toggled to binary. I did that today and now everything comes out perfectly...or as perfectly as I can get them with VUIMG, with all of its scaling options, which I'm still working on. Thanks for the pix! 73 and Queue Our Pea DE WA8MCQ

--

Mike Czuhajewski, user of the UniBoard System @ wb3ffv.ampr.org
E-Mail: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org
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From owner-qrp-l@netcom.com Tue Dec 6 23:45:51 1994
From: NYOUNG@nova.wright.edu
Date: Tue, 06 Dec 1994 20:40:47 -0400 (EDT)
Subject: Re: Howes kits and the like

Message-Id: <01HKC42D8XBC8WX3CL@nova.wright.edu>

Someone whose name has been evaporated by the delete key mentioned that he or she had bought a Howes kit assemblage and was less than satisfied. Sorry to hear that.

About 7 years ago (as in: when I first found out about the G-QRP gang at Dayton) I bought a 40m rx and tx kit. It went together like a piece of cake and it worked first time out of the box. About 6 months ago I bought the VFO kit for the thing and put it in the box with the other two boards and an MFJ filter (remember the CWF3?). That and a homebrew side-tone and TR switch circuit and I have a fine little QRP QSK 40m CW rig that I use all the time. In fact, because it has a one-of-a-kind _hand-made_ reduction drive, it tunes smooth as silk, something that poosh-button radios can't do.

Then when I got into trying to save the \$50+ that I put into the ill-fated NN1G-30m set-up, I bought a Howes CTX30 and, with help from Howes' US vendor, Jim Townsend, I got it running good. (Explanation: the CTX transmitter boards come stock for 80 and 40. The builder has to change the output circuit and de-wind the tune-up coil to get the board on 30m. And it ain't no big deal, y'hear?) As a result of that, and because the NN1G kit has turned into a continuing nightmare ('cause I ain't no engineear, y'hear?), I'm going to order the appropriate VFO and RX boards from Jim and finish the 30m QRP project off the easy way.

I've never had trouble with either of the Howes transmitters. The Howes VFO is a versatile circuit with + and - working RIT. It is stable, smooth and practically worry free. The Howes RX has never failed me. It hears as well -- and because it's a lot quieter -- as the TR7 or the ARK4 or the old army surplus superhet that's hiding in the closet.

I will grant that the instructions are not Heathkit quality. However, I knew that going in and figure that I'd been around the soldering iron long enough to at least read the resistor codes and count the turns on the toroids. That's 'cause I'm 48 and have 22 years playing radio as a hobby and 6 years having it muscled on me by the military.

So maybe the Howes kits aren't for beginner kit builders. But you gotta start somewheres, and taking risks is part of learning. The nice thing about the Howes kits is simply

this: if you're gonna take a risk, you'll be happier with a Howes than any other price-comparable and/or tech-comparable kits around.

Simply put: I like Howes kits. They work for me. AND I hope that I can save enough money over Christmas and my birthday (2 Jan 1946... a definite boomer) to get the 30 meter project wrestled to the ground. 'Cause I'm dead flat positive sure that the Howes kits will work.

73
Nils
WB8IJN

From owner-qrp-l@netcom.com Tue Dec 6 02:53:51 1994
Date: Mon, 5 Dec 1994 22:19:07 -0800 (PST)
From: Alan Kaul <kaul@netcom.com>
Subject: Re: HW-9 Finals
Message-Id: <Pine.3.89.9412052202.A16079-01000000@netcom16>

For slightly lower power and less money, the 2SC799 would probably work (the Norcal40 was designed for either 237 or 799) and is readily available from Dan's Small Parts. His last catalog lists the 2SC799 @ \$2.50. Dan's address: 1935 So. 3rd West No. 1 // Missoula, MT 59801 // tel: 406-543-2872. I'm using one of his 2SC799 's in my Norcal 40 and it works well at about 2W out.

[<Alan Kaul, W6RCL>] kaul@netcom.com

From owner-qrp-l@netcom.com Tue Dec 6 09:58:32 1994
From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org (Mike Czuhajewski)
Subject: Re: HW-9 Finals
Date: Tue, 06 Dec 94 07:21:17 EST5EDT
Message-Id: <1994Dec06.072117.3953@wb3ffv.ampr.org>

Not a bad idea to try the 2SC799 in place of the MRF in the HW-9 final amp. However, the warning about the "oddball" pin layout still applies--anyone contemplating this must remember that the MRF237 has pins in the order CBE, not the "normal" EBC, and must do whatever is appropriate to compensate. (Otherwise we'll see another rash of postings, asking why their HW-9 won't work and cursing a batch of "bad" 2SC799's!)

73 and Queue Our Pea DE WA8MCQ

--

Mike Czuhajewski, user of the UniBoard System @ wb3ffv.ampr.org
E-Mail: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org

The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA
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From owner-qrp-l@netcom.com Tue Dec 6 12:21:01 1994
Date: Tue, 6 Dec 94 08:02:40 CST
From: msdooley@collie.aud.alcatel.com (Michael S. Dooley)
Message-Id: <9412061402.AA21811@collie.aud.alcatel.com>
Subject: Re: HW-9 Finals

Regarding the high cost of finals, try the driver or final from an old
CB radio. They work very well and can be had from your local garage sale
at a fairly reasonable price.
Mike KE4PC

From owner-qrp-l@netcom.com Tue Dec 6 11:56:29 1994
Date: Tue, 06 Dec 1994 08:03:34 -0500 (EST)
From: CEBIK@utkvx.utk.edu
Subject: info FAQs on qrp-l
Message-Id: <01HKBDEASZ5U934QXT@utkvx.utk.edu>

I have noticed that many new subscribers join qrp-l over a short time span.
As a service, I wonder if anyone a. would agree that the following
suggestion might be useful, and b. has the time, energy, interest, and
other qualities to do the job suggested.

Suggestion: Newcomers (and many older returnees) may not know the numerous
sources of information available on qrp, namely the journals to which he or
she can subscribe, the kit- and rig-producers, the parts suppliers, etc.,
along with any special procedures needed to get a subscription, catalog,
etc. Hence, it might be good to see either a comprehensive list or a set
of lists, each over a specific area, appear here about once per month to
keep everyone updated. Once created by the list keeper, it should not be
too much trouble to update and resend as a file on a regular schedule.

If I had the information, I'd be glad to undertake the keeping, updating
(with information supplied by subscribers), and reposting at desired
intervals. It would not be difficult to keep the list in a way most useful
to users of this net, e.g., with or without comments, methods of ordering
from suppliers, and other information--or not--beyond addresses and phone
numbers, etc. At present, I have no costs associated with Internet use (a
consideration among others.

So the questions are:

1. Is this a good or bad idea?

2. If it has some potential, how should it be modified to be most useful?
3. Who would be willing to undertake its execution?
4. How can we get the most complete initial data to the victim--sorry, that should be, the honored volunteer?

Posting exchanges on the idea seem in order to share views. You can also send responses to me direct. Please use some designator in the subject line like FAQ so a message does not get deleted before reading.

-73-

LB, W4RNL

IN: cebik@utkvt.utm.edu

From owner-qrp-l@netcom.com Tue Dec 6 20:06:18 1994
Date: Tue, 6 Dec 1994 11:57:47 -0700 (MST)
From: "James P. Rybak" <jrybak@mesa5.mesa.colorado.edu>
Subject: Re: info FAQs on qrp-l
Message-Id: <Pine.3.89.9412061127.A25782-01000000@mesa5.mesa.colorado.edu>

I think that the idea of a FAQ list is excellent. It would be of use to newcomers and also could serve as a resource to "oldtimers" as well who need to look up something which may have slipped their minds.

Jim W0KSD

From owner-qrp-l@netcom.com Tue Dec 6 23:40:47 1994
From: N8ET@delphi.com
Date: Tue, 06 Dec 1994 19:39:04 -0500 (EST)
Subject: info FAQs on qrp-l
Message-Id: <01HKC2D2GU0493A0HY@delphi.com>

I asked the same question a couple of months back - and had offers from TWO people to use their computer facility for the FAQ. I have a list of QRP clubs that I will provide for the FAQ, and of course would gladly supply the addresses for Kanga US and Kanga Products (UK) ;-) for the start of a FAQ. After my initial inquiries I just plain ran out of time to follow up on it.... Are there any volunteers?? - I'll dig out my notes on who volunteered the computer facilities....

72/73 - Bill - N8ET
Kanga US
n8et@delphi.com

From owner-qrp-l@netcom.com Tue Dec 6 00:48:52 1994
From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org (Mike Czuhajewski)
Subject: KeyCAD mailing list
Date: Mon, 05 Dec 94 21:32:16 EST5EDT
Message-Id: <1994Dec05.213216.7826@wb3ffv.ampr.org>

Alright, this is getting out of hand! Looks like a lot of interest in this program; if everyone would like to go "off line" and do this as a pseudo-mailing list, I'd be glad to act as the computer. If you're interested in KeyCAD and exchanging notes on it, send me your e-mail address in the text of a message, and send your comments and tipsto me, and I'll compile and spit them out. (By the way, for those who haven't already learned this one, the address which appears in the header in the FROM field is not always a valid address that the system will accept if you try sending a reply; The System, or perhaps individual systems, sometimes treat addresses strangely, and I have had many occasions where the FROM address in the header is not the true address which the system will accept. Welcome to the computer age!) 73 and Queue Our Pea DE WA8MCQ

--

Mike Czuhajewski, user of the UniBoard System @ wb3ffv.ampr.org
E-Mail: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org
The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA
Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From owner-qrp-l@netcom.com Tue Dec 6 01:38:47 1994
From: rheiss@tuba.aix.calpoly.edu
Date: Mon, 5 Dec 1994 20:07:31 -0800
Message-Id: <9412060407.AA113687@tuba.aix.calpoly.edu>
Subject: Re: Keyer Sidetome help

Nice to hear of another homebrew keyer. Experiment with tone generator (oscillator) circuits until you get one that you'd like to hear over and over again. To use it as a sidetone, gate (reset, interrupt) the oscillator or turn off its power supply whenever the transmitter is off. I'm using half of a 556 dual timer in astable mode, gated by the reset pin. It can drive high-impedance headphones through a series resistor (appx 1 kohm) and 0.1 uF in parallel with the phones mellows the sound.

By the way you can convert low impedance headphones to high impedance with a 1k to 8 ohm transformer available at Radio Shack.

If you're hearing a tone but it doesn't follow the keying, I would be happy to help you from there. Email or "snail mail" is fine. Have fun & 73 ...

Robert Heiss K06KA
PO Box 1764

Atascadero CA 93423

From owner-qrp-1@netcom.com Tue Dec 6 20:09:18 1994
Date: Tue, 6 Dec 1994 09:48:15 +0800
From: Raymond.Anderson@EBay.Sun.COM (Ray Anderson)
Message-Id: <9412061748.AA01576@uranium.EBay.Sun.COM>
Subject: Monterey Bay Area: Breeding Ground for Tech Editors ???

Wonder what the odds are that the Tech Editor of QRPP and the Tech Editor of QQ end up having QTH's within 5 miles of each other??

>Eric WA6HHQ

>Technical Editor, QRPP

Ray WB6TPU

Technical Editor, QQ

From owner-qrp-1@netcom.com Tue Dec 6 03:43:14 1994
Date: Mon, 5 Dec 94 22:00:11 PST
From: dh@deneb.csustan.edu (Doug Hendricks)
Message-Id: <9412060600.AA10521@deneb.csustan.edu>
Subject: Need Parts from Cirkit

I need some parts from Cirkit, but I understand that there is a problem with shipping to the US now. Something about a 1 Kg minimum shipping charge, which has been imposed by Cirkit, not the postal authorities. I am looking for someone in England who is interested in a Barter trade. I will trade a complete set of Back issues, both Volume I and Volume II of QRPP delivered airmail to England, for the following parts:

1 Murata CFM455J1 filter @ 9 pounds 40 pence.
24 Toko 154AN T1005 9438 Coils @ 52 pence each, or 12 pounds 48 pence.

That makes the total come to 21 pounds 88 pence which is about \$33 US. The price of Volumes I and II of QRPP delivered airmail to England is \$35, so I think that it is a fair trade. Are there any takers? Email me and let me know. 72, Doug, KI6DS.

From owner-qrp-1@netcom.com Tue Dec 6 17:07:46 1994
From: FOXG@WCSUB.CTSTATEU.EDU
Date: Tue, 6 Dec 1994 12:01:13 -0500 (EST)
Message-Id: <941206120113.2fe238da@WCSUB.CTSTATEU.EDU>
Subject: need schematic EPS-110M power supply

I'll keep this short because it's not strictly QRP, but the power supply I most often use for my QRP rigs! Sunday night it started putting 25 volts on both the regulated 13.8vdc and unregulated variable terminals. I can't find the schematic.

If you have a schematic and/or advice on what could be wrong (though it shouldn't be hard to isolate with the print... it's only a power supply) please get in touch with me here or fax the print to (203)-787-9698 and please include my name GEOFF FOX on each page if possible. I'll gladly pay the freight for faxing or mailing/copying.

Now I have to use my gel cell.

Oops... forgot to mention the supply is by ALINCO.

73, Geoff Fox WA1U

From owner-qrp-l@netcom.com Tue Dec 6 14:56:46 1994
Date: Tue, 06 Dec 1994 11:33:29 -0600 (CST)
From: Jeff Gold <JMG@tntech.edu>
Subject: next run?
Message-Id: <01HKBLDMWS42BXKGF6@tntech.edu>

> Saving my pennies for the next production run of full Sierras or partials
> if they are done.
>
> Nice job, guys!!
>
> de WK2A
> Rich Penc
> penc@psumeteo.psu.edu

Me too.. but thought that wasn't going to happen.

73

Jeff, AC4HF

From owner-qrp-l@netcom.com Tue Dec 6 13:03:05 1994
Date: Tue, 06 Dec 1994 08:39:28 -0600 (CST)
From: Jeff Gold <JMG@tntech.edu>
Subject: Oak Hills
Message-Id: <01HKBF6HIBTQBKGF6@tntech.edu>

Hi,

just ordered my 30m Oak Hills Explorer. Dick says Oak Hills is now running a sale and the prices seem really good. Think the Explorer

was \$115... think it is best buy around..should have it by end of week. Someone had asked about the RadioKit kit. .well in my opinion it was the absolute worst kit and it is about the same price as the Explorer. From what I read and what Dick told me, I think the Explorer might make an excellent beginner's kit. The Classic was also on sale.

I am in no way connected with Oak Hills, other than having built every kit he sells for about the last 2 years or so.. haven't been disappointed yet.. the Sprint was a good kit.. but I just don't like DC receivers.. other than that .. really liked building and operating all his kits.. have ended up selling most of what I built to do reviews about (recycling the cash to other kits).. but ended up keeping a bunch of Oak Hills stuff (wattmeter, SCAF, Classic).

Look for a really exciting kit to come about time of Dayton.. hope he gets it done in time.

73

From owner-qrp-l@netcom.com Tue Dec 6 11:19:51 1994
Date: Tue, 6 Dec 1994 10:09:28 -0200 (EDT)
From: Egiaroll & Tom <egiaroll@cat.cce.usp.br>
Subject: QRP and Bat propagation...
Message-Id: <Pine.3.89.9412061019.A11310-0100000@cat.cce.usp.br>

What about Bat propagation versus transmission power.
At the receiver point of view when there is good propagation
there comes so much stations that we cannot hear nobody.

Tom van Ewijk
(first enter to QRP discussions)
-==--==--

From owner-qrp-l@netcom.com Tue Dec 6 01:23:44 1994
From: Johnson_Dan@AAC.COM
Message-Id: <9412060439.24141.AC@smrouter.AAC.COM>
Date: Mon, 5 Dec 94 20:34:00 PST
Subject: Re: QRP and Big Antennas...

Howdy. I'm new to the list (and this thread), so please pardon if I'm speaking out of turn. W1VOQ writes:

> But it seems to me that gain antennas have the effect of upping the
> transmitter power just as surely as does increasing the vcc on that final

> amp...

"Gain" antennas don't increase power at all: they merely focus the power that's available by increasing radiation in some directions at the expense of others. All antenna systems, including dipoles, do this. To eliminate antenna "gain" for QRP is to mandate isotropic radiators. Try building one sometime. :-)

Isn't the point of QRP to optimize anything except transmitter output power?

73 DE DAN, KC4EWT

From owner-qrp-1@netcom.com Tue Dec 6 14:15:59 1994
Date: Tue, 6 Dec 1994 09:53:53 -0700 (MST)
From: Rick Zabrodski <zabrodsk@med.ucalgary.ca>
Subject: Re: QRP ARCI Holiday Spirit CW Sprint
Message-Id: <Pine.SUN.3.91.941206095245.10312A-100000@ume>

I always remember the sprints the two days to late.
Could you keeners remind us a few days in advance?

Dr. Rick Zabrodski BSc, MD, CCFP(E) * VE6GK
EMAIL: zabrodsk@med.ucalgary.ca *
Packet: VE6GK@VE6YYC.#cgy.ab.can.na * "Power is no substitute
Phone: (403) 271-5123 Fax: 225-1276 * for skill."

From owner-qrp-1@netcom.com Tue Dec 6 06:08:20 1994
From: JDuffy@aol.com
Date: Tue, 6 Dec 1994 03:54:48 -0500
Message-Id: <941206035446_6909720@aol.com>
Subject: Re: QRP Plus

I have one of the first QRP+'s and think it is the best manufactured QRP rig around. It is well worth the money.

I have used it extensively on 15, 20, 30 & 40 meters. Mostly CW but have also made some SSB contacts.

Antenna is a Butternut Vert, so the rig has to be working well with that kind of antenna (nothing against the Butternut, just that a vert would not be my first choice for an antenna with QRP).

Regards,

Duffy - WB8NUT

From owner-qrp-1@netcom.com Tue Dec 6 18:58:57 1994
From: "Tim Stabler" <TSTABLER@iunhaw1.iun.indiana.edu>
Date: Tue, 6 Dec 1994 16:15:26 CST
Subject: QRP Rigs
Message-Id: <180D647A18@iunhaw1.iun.indiana.edu>

I have been reading with interest the various comments about some suppliers on this net. I agree with the comments about Radiokit. I have a box of parts for the Littlefield 20m transceiver and little else. I also remember vividly sending them a check for two copies of their catalog. Months passed by and I never heard anything. Then I found the cancelled check in my statement. That was two years ago and I still have not seen the catalogs.

I know nothing personally about Dan's but his catalog looks interesting.

I have the 40-40 which I will build over my Christmas break. And, from some comments I have been seeing might give OHR a call for a second rig.

My question is has anyone out there done anything with 624??? They have some interesting sounding kits so am curious.

Thanks.

73 de Tim WB9NLZ

From owner-qrp-1@netcom.com Tue Dec 6 23:53:42 1994
Date: Tue, 6 Dec 1994 21:20:29 -0500 (EST)
From: James Lyons <jlyons@CAM.ORG>
Subject: Re: QRP Rigs
Message-Id: <Pine.SOL.3.91.941206211829.22719A-100000@stratus>

On Tue, 6 Dec 1994, Tim Stabler wrote:

> else. I also remember vividly sending them a check for two copies
> of their catalog. Months passed by and I never heard anything. Then
> I found the cancelled check in my statement. That was two years ago
> and I still have not seen the catalogs.

>

>

> 73 de Tim WB9NLZ

>

I had the same experience with Radio Kit ... on two separate occasions I spent money for their catalog ... never did get it ... perhaps it was just as well!

Jim Lyons, VE2KN

From owner-qrp-l@netcom.com Tue Dec 6 12:55:28 1994
Date: Tue, 6 Dec 1994 10:37:13 -0330 (NST)
From: Robert Gobrick <bgobrick@random.ucs.mun.ca>
Subject: Re: radiokit
Message-Id: <Pine.3.87.9412061013.G7079-0100000@random.ucs.mun.ca>

Rich - you mean "Working RadioKit's " don't you? ;-)

72 Bob VO1DRB/WA6ERB

PS: Enjoyed your articles in the latest QRPp - nice Norcal 40 vs 40-40 comparison article.

On Sun, 4 Dec 1994 K7YHA@aol.com wrote:

> OK....it's agreed. We give ADDITIONAL bonus points in the HB sprints for
> those who use the RadioKit rigs.
>
> 72 rich
>

From owner-qrp-l@netcom.com Tue Dec 6 01:22:01 1994
From: K7YHA@aol.com
Date: Mon, 5 Dec 1994 21:36:27 -0500
Message-Id: <941205213516_6614874@aol.com>
Subject: Re: Re "Real QRP"

QRP = Wits NOT Watts!

72 rich

From owner-qrp-l@netcom.com Tue Dec 6 18:51:15 1994
From: "Greg Taylor" <GTAYLOR@TAEX003N.tamu.edu>
Date: Mon, 5 Dec 1994 20:14:43 CDT
Subject: Re: Real QRP
Message-Id: <21C779B34E2@taex003n.tamu.edu>

- Some folks use commercial rigs with the power reduced.
- Some folks buy and build QRP kits.

- Some folks build projects out of magazines.
- Some folks design and build their own equipment.

Those that do any of the above "win". They've having fun with the hobby and expanding their horizens. The more we do - the more we "win."

The contests will never really be fair. The operator using a turned-down \$5K rig to a pair of stacked YAGI's at 100' might get more points then the station with a Two'er built from Radio Shack parts loading a grounded bed-spring - but I know who'll get the biggest kick out of each contact.

And thats the point...its a hobby (for most of us)... where a group can agree on mutual criteria for awards or whatever fine, where we can't no one should attempt to impose their values on others cause I, for one, have my own that keep me going.....it comes down to what we individually are proud of (some folks run a kw+ and claim less if they can be proud of that its their problem not mine but that gets us into a whole other thread).

Greg, KD4HZ

From owner-qrp-l@netcom.com Tue Dec 6 13:18:16 1994
From: penc@psuh02meteo.psu.edu
Date: Tue, 6 Dec 1994 16:36:19 GMT
Message-Id: <94120616361893@psuh02meteo.psu.edu>
Subject: Sierra Schematic

Gang:

Received my QRPP yesterday in the mail and as always, It was ****great****. I noticed on the Sierra schematic that the pages were numbered "sheet 1 of 3" and "sheet 2 of 3". Anyone can provide a little insight as to what sheet 3 of 3 might be (not included in QRPP) or if it's any interest to the casual observer like myself?

Saving my pennies for the next production run of full Sierras or partials if they are done.

Nice job, guys!!

de WK2A
Rich Penc
penc@psuh02meteo.psu.edu

From owner-qrp-l@netcom.com Tue Dec 6 05:06:39 1994
From: rheiss@tuba.aix.calpoly.edu

Date: Mon, 5 Dec 1994 23:38:51 -0800
Message-Id: <9412060738.AA113784@tuba.aix.calpoly.edu>
Subject: sprint weekend

During the homebrew sprint I mostly listened in awe to the QRP pileups and the distinctive-sounding homebrew rigs. Since my stock HW-8 is considered a no-brainer, I used a factory transceiver while crashing the club's party for a dozen QSOs. It was fun!

WWV boomed in on 20 MHz, but 15m was lonely with just me and a milliwatter sharing our private patch of short skip. His rig was an IC chip!

20m was bristling with QRP activity. There were several loud, S9+ stations running QRP pileups. Even a quarter-watt station was well above the noise level; only QRM seemed to be limiting the contacts.

40m during the day was pretty good, I will look there more often. Heard Sierras on the air for the first time -- there were several with a clean, quality sound. But none were as loud as KI0G :-)) was that the wounded HW-9 putting out so much smoke? It was fun getting more than one responder to a CQ QRP. While sorting out a pair of QRP callers, an old-timer busted in with a QRO call and the first chapter of a rambling rag chew. Gotta love those seasoned operators with the amazing ears for weak CW. I think some of them actually prefer hearing straight keys (or bugs) as well.

On saturday, during the ARRL 160m Contest, wouldn't you know that's when my 1810 crystal would arrive in the mail. I briefly considered milliwattting with a junk-box transistor, but was taken aback when I turned on the my little DX400, the only top band RX we have right now. CRUNCH! Attenuator on, still CRUNCH. I picked two crystal frequencies with no activity and suddenly the whole west coast is piled up there and they have orange anodes and huge antennas. With gain -- listen to them switch the phased arrays around. On the other hand, the 30m crystals arrived in the same package. Decided my 160m debut can wait. :-))

One more thing -- KeyCad for windows is installed now and the question is what to do for symbols. Already forgot what was recommended. 73--
--

Robert Heiss K06KA

From owner-qrp-l@netcom.com Tue Dec 6 11:25:28 1994
Date: Tue, 6 Dec 1994 10:04:10 -0330 (NST)
From: Robert Gobrick <bgobrick@random.ucs.mun.ca>
Subject: Re: Thanks
Message-Id: <Pine.3.87.9412061010.E7079-0100000@random.ucs.mun.ca>

Chuck - think about this for your next level of PHD work - while your sitting/lounging in the nice Cancun sun would you really find it a

challenge to put up an antenna and having it perform well - why heck you probably don't even need to use a soldering iron for your connections - the warm sun would just melt the solder.

Now take my case where in the dark wintry blustering cold east coast winter Newfoundland day here I tossed a wire off my third story balcony, run down stairs, hauled the wire across the parking lot (hoping no cars would run over, tangle) the wire, find a tree, throw my rope tied rock over a branch and finally haul up the antenna wire and tie it off. All this with my boots and gloves and mariner's knit hat on (black so as to look inconspicuous to the neighbors). Now you KNOW this antenna will be at least 3 db better than your Cancun one (it sure has heck better be since I am near hypothermic....).

Let's face it - it doesn't take a PhD to figure this out ;-)

72 Bob V01DRB the original "ancient mariner Qrper"

On Fri, 2 Dec 1994, chuck adams wrote:

>
> Thanks to Steve who saved my mail that I had sent to him at 5am
> this morning. I had a couple of thoughts that I wanted to share
> with this group. It is a great group.
>
> I am glad to know about the antennas and the more adverse the
> weather the better they work. I'm going to have to go back
> to the Quantum Mechanics Physics books and look that one up.
> I don't remember in 10 years of college ever running across the
> phenomemon. Maybe somebody can get a Nobel Prize in Physics once
> they figure that one out. "Honey, what are doing out there in the
> snow and ice?". "I'm working on a PhD in Physics and the Nobel Prize
> while playing radio amateur." :-) yes - that's the ticket.
>
> :-)
>
> dit dit
> SIG
> Chuck Adams K5FO CP-60
> adams@sgi.com
>
>
>

From owner-qrp-l@netcom.com Tue Dec 6 13:16:26 1994

From: m266008@stlmail2.mdc.com

Message-Id: <199412061349.FAA08256@mail3.netcom.com>

Subject: unsubscribe
Date: Tue, 6 Dec 94 7:45:47 CST

unsubscribe

email addr chg'in - thx.

From owner-qrp-1@netcom.com Tue Dec 6 21:01:59 1994
Message-Id: <199412061934.LAA19432@netcom15.netcom.com>
Date: Tue, 6 Dec 94 11:33:22 PST
From: "Jeff Turkington" <JATURKIN@BCSC02.GOV.BC.CA>
Subject: unsubscribe

unsubscribe qrp-1

Jeff Turkington, Workplace Development jaturkin@bcsc02.gov.bc.ca
BC Systems Corporation Voice: 604-360-7029
Victoria, BC, Canada Fax: 604-389-3916

From owner-qrp-1@netcom.com Tue Dec 6 21:40:02 1994
From: CLAYTOND@gvg47.gvg.TEK.COM
Date: Tue, 06 Dec 1994 13:14:06 -0700 (PDT)
Subject: unsubscribe qrp-1
Message-Id: <01HKBOUXNLUQZ9VWI9@gvg47.gvg.tek.com>

unsubscribe qrp-1

From owner-qrp-1@netcom.com Tue Dec 6 22:04:11 1994
Date: 06 Dec 94 17:47:34 EST
From: Craig LaBarge <74740.3166@compuserve.com>
Subject: Re: Update on downspout
Message-Id: <941206224734_74740.3166_EHB206-1@CompuServe.COM>

AA0UB wrote:

> A while back we were discussing rain gutters as
> antennas. Mine works great!

Good deal! Always nice to hear about another "'spout" on the air!

> The best part is the comments I get from the hams
> I qso with: "Does the SWR go up when it rains?"
> "I bet that antenna was easy to find." "Hey clean
> out your antenna!"

Yep, I've heard those also. Maybe we worked the same people. :-) The one thing that most concerned me about using the rainspout was problems due to ice

and snow accumulation. However, throughout all of the miserable ice storms last winter, I never encountered a single problem. Even with 3 foot icicles hanging from the gutter, it was business as usual here.

I'm not sure where you're located, but give me a shout if you'd like to try a sked for the world's first QRP gutter-to-gutter QSO. :-)

73, Craig WB3GCK
Just say NO to QRO!

From owner-qrp-l@netcom.com Tue Dec 6 08:45:09 1994
Date: Tue, 6 Dec 1994 18:17:30 -0700 (GMT)
From: chaiyapong ruangsuan <chaiyapg@kku1.kku.ac.th>
Subject: Wanted QRP kit's information
Message-Id: <Pine.SV4.3.91.941206181120.24764A-100000@kku1>

Hi friend,

I interesting to A portable QRP CW transceiver for 20 meters that present in ARRL handbook 1993, by K9AY. The unit have available kit but in Thailand , the amateur radio can't import the radio's kits. I hope to hear more information on this kits.

Thanks for your supports.

72/73 DE HS4AWF/QRP

QRP forever...

From owner-qrp-l@netcom.com Tue Dec 6 20:16:42 1994
Date: Tue, 6 Dec 1994 15:37:27 -0330 (NST)
From: Robert Gobrick <bgobrick@random.ucs.mun.ca>
Subject: Re: Wanted QRP kit's information
Message-Id: <Pine.3.87.9412061527.D2325-0100000@random.ucs.mun.ca>

There are a few places that carry the K9AY kit. A&A Engineering, 2521 West LaPalma #K, Anaheim, California 92801, USA; 624 Kits, 171 Springlake Drive, Spartanburg, South Carolina 29302, USA carry the kits and I believe Ocean Electronics in Massachusetts also carries the A&A version. I am not sure of printed circuit boards for the units - I think the ARRL Handbook article may give you information on that.

Good luck - this was one of the first rigs like this in it's class and it has been popular.

73 Bob V01DRB/WA6ERB

On Tue, 6 Dec 1994, chaiyapong ruangsuan wrote:

> Hi friend,

floodgates get opened again. I'm still perplexed, but much more happy to get e-mail QSOs from you people again. As Chuck Adams points out -- internet is a neat mystery to enjoy. Back to more pertinent radio wisdom! 73, Kevin, KB9IUA

Kevin L. Anderson, CENCR-PD-W, U.S. Army Corps of Engineers
Rock Island District Office, Planning Div.-Waterway Systems
Rock Island, Illinois 61204-2004, USA phone:(309) 794-5605
e-mail: anderson@ncrsun1.ncr.usace.army.mil

Opinions expressed here are my own and do not represent the
U.S. Army Corps of Engineers or the Federal Government.